

June Meetings

Dates & Times

Matinee, 2:30 p.m., Wednesday
June 10, 1981

Evenings, 8:00 p.m., Wednesday and
Thursday, June 10 and 11, 1981

Place

May Treat Morrison Auditorium

Speaker

James E. Scarff

Subject

"Plight of the Bowhead Whale"

The bowhead whale, pictured on the cover of this month's "Newsletter" is one of the largest of the baleen whales. A bowhead grows to a maximum length of 65 feet and weighs approximately one ton per foot. Its head accounts for up to one-third of its total body size. From the early part of the 17th century through the 19th century whalers hunted this species almost to extinction for its rich oil and prized baleen plates, called "whalebone", used particularly in the fashion industry. (Fortunately for the bowhead, whalebone was replaced with spring steel in 1907, and the bottom fell out of the market when baleen dropped from \$5.00 to less than 50¢ per pound.)

Today the only significant population of bowheads is found in the Bering Sea where they are protected from all but local Eskimo hunters. But what is the effect of this "subsistence" hunting, and what is the impact of the oil and gas exploration in this area?

James Scarff, staff attorney for the U.S. Department of Energy and a member of the Board of Directors of the Whale Center in Oakland, will talk about the "Plight of the Bowhead Whale" during our June members' meetings and show excerpts from the National Film Board of Canada film, "In Search of the Bowhead Whale". Mr. Scarff, who has lectured at the Lawrence Hall of Science, at Stanford and Berkeley, is currently writing a book entitled, *To Save the Whales: Issues in Living Marine Resource Management*.

As usual, your membership card will admit you through the main entrance of Cowell Hall for the evening presentations and through Cowell Hall or Wattis Hall entrances for the matinee. Please be prepared to show your card once more at the auditorium door for the matinee program.

Special Exhibits

SNEAK PREVIEW: Louis Allen will talk at the July members' meetings on **Australian Aborigines: People of the Dreamtime**.



One of the most comprehensive and beautiful collections of the works of Western artist, Maynard Dixon (1875-1946), opens June 18 in the Peterson-McBean Galleries at the California Academy of Sciences. Entitled, **MAYNARD DIXON: Images of the Native American**, the exhibit includes approximately 100 paintings and sketches mostly from the years between 1900 and 1940.

A 96-page boxed and hardbound exhibition catalogue with over 40 color plates, including one of Dixon's finest paintings, *Men of the Red Earth* (above), as well as a special exhibition poster entitled, "The Wise Men," will be for sale at the Nature Company Museum Shop. Prices at this writing have not been determined but will be listed in your July "Newsletter."

Continuing exhibits include **Exploring the Deep Frontier: The Adventure of Man in the Sea**, through September 7; **The Fishing Fleet: Changing Times, Changing Faces**, through the summer; **Western Wildflowers, Weeds, and Grasses and Reflections on Alaska**, two color photo exhibitions.

With the recent success of the *Columbia* living in space and space shuttles no longer seem like the far-fetched fantasies of the old science fiction movies. Our exciting new show **Islands in the Sky**, launches you on a space shuttle into the future and the settlements of the new frontier of outer space!

See **Islands in the Sky** at the following times: **through June 14**, Monday through Friday at 2:00 p.m., Wednesday and Thursday at 7:30 p.m., and Saturday and Sunday at 12:30, 2:00, and 3:30 p.m. **SUMMER SCHEDULE, June 15 through September 7**; everyday at 12:30, 2:00 and 3:30 p.m., extra shows on Wednesday, Thursday, Friday and holidays at 11:00 a.m., Wednesday and Thursday evenings at 7:30 p.m.

The weekend program **Exploring the Skies of the Season**, a tour of the current night sky over San Francisco, can be seen at 11:00 a.m. each Saturday and Sunday. Please use your planetarium passes for free admission to both of these shows.

Light Shows

Eye See the Light, Inc's three light shows featuring laser animation and multi-media projections are presented at the following times:

through June 14

Lights Fantastic: Friday at 7:30 p.m.
Saturday at 5:00 & 7:30 p.m.
Sunday at 5:00 p.m.

Rock Fantasy: Friday and Saturday at 9:00 and 10:30 p.m.
Sunday at 7:30 p.m.

Spotlight: Journey Thursday and Sunday at 9:00 p.m.

June 14 through September 7;

Lights Fantastic: Wednesday, Thursday, and Sunday at 5:00 p.m.
Friday and Saturday at 5:00 and 7:30 p.m.

Rock Fantasy: Friday and Saturday at 9:00 and 10:30 p.m.
Sunday at 7:30 p.m.

Spotlight: Journey: Wednesday and Sunday at 9:00 p.m.
Thursday at 9:00 and 10:30 p.m.

For more information, call 387-6300. Tickets are available through BASS at 835-3849. Admission is \$3.50 for adults for all perfor-

Inside the Academy



One of the fastest selling posters in the bay area is called "Ecosystem" designed by San Francisco artist Dan Gilbert. Dan's designs are strongly reminiscent of the bold simplicity of Japanese art mixed with the graceful lines of Art Nouveau, and now there are two new Dan Gilbert posters honoring the Academy of Sciences and Steinhart Aquarium. (In the photo above Dan is working on one of them.)

Members of the Academy are invited to a special reception at the Nature Company Museum Shop (who, by the way, commissioned these spectacular fine art posters) on Thursday evening, June 4 at 7:00 p.m. The artist will be available to sign the posters purchased on this one evening. The price will be \$16.00 for each poster and \$40.00 for signed and numbered editions. Members will, of course, receive their 10% discount.

Junior Academy

School's out! means School's in! at the Junior Academy so get ready for registration day, Saturday, June 27 from 10 a.m. until 3 p.m. in the Goethe Room. Registration will continue from June 29 through July 3 in the Junior Academy from 10 a.m. until 3 p.m. each day.

Note: If you have not yet received a Junior Academy program of classes call 221-5100 ext. 221 for a brochure and further information.

mances and \$1.50 for seniors (65 and over) and children under 10. (\$1.75 on Friday and Saturday).

Members are reminded that this is not a regular planetarium show, so your complimentary passes are not usable for this attraction.

AN EVENING WITH EMERALD WEB

Performances on June 23 and 30
(Tuesdays) at 8 p.m.
in the Morrison Planetarium

Take a magical, fantasy journey of sight and sound in the Morrison Planetarium with Bob Stohl and Kat Epple of **Emerald Web**. Accomplished flautists, Bob and Kat meld the properties of man's earliest and humblest instruments, the woodwinds, with synthesizers and other acoustical instruments to create exciting new dimensions.

In this special concert Emerald Web will blend new, original music with structural improvisations from their three recordings: the lush, haunting music of *Dragon Wings and Wizard Tales*, their fantasy suite; the vibrant blend of harmonies of *Sound-Trek*; and the beautiful, flowing, celestial music of *Whispered Visions*. All will be set to the visual accompaniment of the planetarium special effects on the 60-foot dome of the Morrison Planetarium. Some of the instruments used will be concert flutes, antique wooden flutes, Japanese Shakuhachi flutes, Lyric woodwind synthesizer and Roland CSQ 600 digital sequencer.

Bob and Kat have performed live in concert, on tape and on many major record labels, and have produced movie soundtracks, music for planetarium shows and Emmy award winning television spots, including the original music for the Space Shuttle special on television. Emerald Web's recordings (both record and cassette) will be available both at the intermission and after the concert.

An Evening with **Emerald Web** will be performed on June 23 and 30. Ticket order form follows. Please be sure to check the desired date.



TICKET INFORMATION AND REGISTRATION FORM

Tickets are available for **Emerald Web** with this registration form. Reservations will be accepted in order of receipt and unfortunately telephone reservations cannot be taken for this event.

TICKETS WILL BE HELD AT THE DOOR.
For further information please call the Planetarium Office at (415) 221-5100.

TICKET ORDER FORM

Please mail this form with check, made payable to the **CALIFORNIA ACADEMY OF SCIENCES**, to:

EMERALD WEB
California Academy of Sciences
Golden Gate Park
San Francisco, CA 94118

Price: \$3.50 members, \$4.50 non-members

Name _____

Daytime Telephone # _____

Tickets at \$3.50 _____

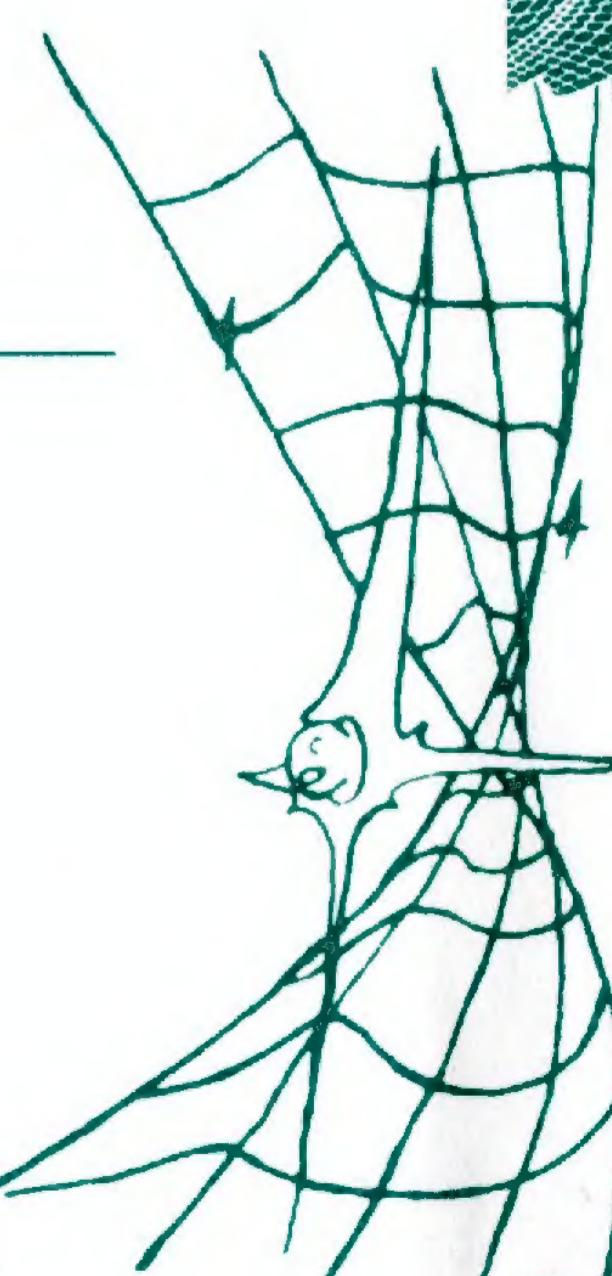
Tickets at \$4.50 _____

Total Amount Enclosed _____

PLEASE CHECK DATE DESIRED

June 23 June 30

NO REFUNDS/NO EXCHANGES



**Geology in the
Ellsworth Mountains,
Western Antarctica**
in the Morrison Auditorium
with Ellis Y. Yochelson on
Thursday, June 18 at 8:00 p.m.

The highest, coldest, and windiest of all continents, Antarctica, has posed a challenge to scientists and explorers for centuries. Its appeal has been its geographical uniqueness, fantastic beauty, and its wealth of natural resources and its well-preserved relics of ancient history.

The continent has been dedicated to peace and to scientific research by unprecedented international agreement. During the 1979-80 field season of the on-going U.S. Antarctic Research Program of the National Science Foundation, Ellis Yochelson accompanied the expedition to study in detail the rock of the Ellsworth Mountains where fossils dating back 500 million years have been found.

In his slide/lecture Ellis, a paleontologist with the U.S. Geological Survey at the National Museum of Natural History, Smithsonian Institution, will discuss the expedition's scientific work, its findings and its general conclusions. He will also describe the tremendous logistic problems presented by the expedition, requiring helicopter and snowmobile support and a base camp specially constructed for this effort.

Admission to this special lecture is free to members and their guests.

REMINDER: Drs. Sylvia Earle and John McCosker will talk on **The World Darwin Never Saw** in the Morrison Auditorium, Wednesday, June 3 at 8:00 p.m. (Please see your May Newsletter for details).

Explore the natural world with Academy staff and fellow Academy members as a participant in one of our Adult Education Courses! Registration is by mail and details are in the "Activities Calendar" available through the Education/Travel Office. For information, call (415) 221-5100, ext. 211.

Education and Travel

A Minus-Tide Adventure

Friday, June 5 (slide/lecture presentation)
7:00 - 9:00 p.m.
Saturday, June 6 (field trip)
7:00 a.m.
Cost: \$10 members, \$15 non-members
Rise and shine for a day's exploration of our coastal tidepools.

An Armchair Tour of Africa

July 1 - 22 (4 Wednesdays)
7:00 - 9:00 p.m.
Cost: \$20 members, \$25 non-members
Join Academy naturalist Robert Drewes for an exciting "armchair safari" through selected areas of the vast continent of Africa.

Natural History of the Monterey Coast

Tuesday, July 7 (Lecture)
7:00 - 9:00 p.m.
July 11 and 12 (field trip)
Cost: \$110 members, \$125 non-members
Includes instruction, accommodations and Sunday lunch.

We will explore the coastal geology, plant communities and mammals of spectacular Monterey County on this two-day excursion.

Space is still available on the following California Study Tours:

Tamalpais Trekking

Wednesday, June 10
9:30 - 4:30
\$12 per person, includes transportation and instruction.

A leisurely hike with a park naturalist as your guide promises a full and informative day as we trek from chaparral to redwoods.

Lake Merrit Odyssey

Wednesday, June 17
10:30 - 3:00 p.m.
\$12 per person includes transportation and instruction.

An array of waterfowl and a unique history await us on this delightful day excursion.

Indonesian Cruising Expeditions

Departure Dates: July 15
July 24
August 11

The Indonesian Archipelago, one of the most exotic and scenic areas in the world, straddles the equator between Asia and Australia. Bali, Komodo, and Papua New Guinea are but a few of the exciting ports-of-call as Academy members sail through this fascin-

ating chain of islands aboard the *Lindblad Explorer*. A number of departure dates are offered. Costs range from \$480 to \$10,040 for the cruise portion of the trip. Air costs depend upon the departure date selected. For information and a brochure, call the Academy Travel Office at (415) 221-5100.

Zambezi Safari

July 27 - August 15
Dr. Lawrence Swan will lead members to Zambia and Zimbabwe along the Zambezi River on a fabulous safari adventure. An optional extension to Botswana's Okavango Delta and Chobe National park is also available. Cost is \$2040 for land and \$1720 for air at current rates. Botswana extension is \$695 additional. For information, call the Academy Travel Office at (415) 221-5100.

National Parks Tour II

September 12 - 20
Mr. Charles Chesterman will lead members on a geological exploration of several of our national parks. Geologic history will be easily viewed and understood in the settings of Bryce Canyon National Park, Zion National Park and the magnificent Grand Canyon. Cost is \$1098 per person, including air fare. For information, please call Gulliver's Travels at (415) 346-4400.

Darwin's Galapagos

October 28 - November 10
Participants will cruise in comfort aboard the *M.V. Santa Cruz* as they explore the Galapagos Islands known as "living laboratories of evolution". Costs range from \$2100 to \$3400 for the land/cruise portion of the trip. Air fare is currently \$863. For information, please call the Academy Travel Office at (415) 221-5100.

Baja California Overland

November 7 - 14

Sea of Cortez Cruise

November 14 - 21

Botanist Annetta Carter will lead one of our most popular tours south of the border to beautiful Baja California. Members will travel by bus as they explore the fascinating history and natural history of the Peninsula. A one-week cruise aboard the *Baja Explorador* through the southern islands of the Sea of Cortez is also offered. For information and costs, please call the Academy Travel Office at (415) 221-5100.

Coral Sea Cruising Expedition

November 15 - December 13

Dr. John McCosker will lead members on a spectacular cruise aboard the *Lindblad Explorer* to Australia's Great Barrier Reef. This trip is co-sponsored with the Oceanic Society. Costs range from \$4910 — \$8130 for the cruise. Air is \$2093 at current G.I.T. rates. For a brochure, call the Academy Travel Office at (415) 221-5100.

Ancient Aegean Civilizations

From the Bronze Age to Byzantium
September 1 - 14

George and Gerry Lindsay will accompany Academy members on this odyssey through the classical world of the Aegean. The ten-day cruise aboard the luxury *M.V. Regina Maris* includes the Peloponnesos, Minoan Crete, Santorini, and visits to ancient sites along the Asia Minor coast — Ephesus, Miletus and Didyma, Sardis, Pergamon and Dikili. On to Mount Athos, Thessaloniki and Pella, Volos and Meteora. Dr. Giles Constable, Director of the Dumbarton Oaks Research Library and Collection, Professor Thomas Gould of Yale University, and Professor David Gordin Mitten of Harvard and the Fogg Museum will be guest lecturers on the cruise, which will be co-sponsored with the Yale and Harvard Alumni Associations.

Upon its return to Athens Professors Stephen G. Miller of Berkeley and Stella Miller of Stanford will meet the Academy group to show us the Athenian Agora and particularly discoveries they have made there. Another special feature will be the Goulandris Natural History Museum in the suburb of Kifissia, where we will be received and given a tour by Mrs. Niki Goulandris, and be her guests at a cocktail reception in the Museum gardens.

The grand finale of the odyssey will be a day with the Millers to Corinth, Mycenae, and the University of California excavations at Nemea and recent discoveries there, followed by a festive Glendi to complete our Greek adventure. Cost, including air fare from San Francisco, \$3,760 to \$4,460. A \$200 tax-deductible contribution to the California Academy of Sciences is requested but is not a condition of participation. For information and to make reservations call the Academy Travel Office at (415) 221-5100.

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